

# BP-MF400 Datasheet

MEDIUM-FLOW BACK PRESSURE REGULATOR



Gas  
  Liquid  
  Diaphragm  
  Piston  
 Max Rating: 10bar (145psi)  
 Max Inlet Control: 10bar (145psi)  
 Cv 2.0



## INTRODUCING THE BP-MF400...

The BP-MF400 is a diaphragm-sensed medium-flow back pressure regulator for gas or liquid applications. The liquid version includes a PEEK™ seat, whilst the gas version features PCTFE seating.

This accurate regulator controls inlet pressure and vents excess pressure back via the threaded NPT or BSP outlet port of up to 1".

## SPECIFICATION

Max Rating	10bar (145psi)
Max Inlet Control	Up to 10bar (145psi)
Design Proof Pressure	150% max WP
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	5.5kg (12.1lbs)

## STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Seat	PEEK™ or PCTFE
Valve Spring	AISI 302 Stainless Steel (UNS S30200)
Diaphragm	NBR
Handwheel	Nylon
'O'-Ring Seals	NBR FKM / FPM
Loading Spring	Alloy Spring Steel

## FEATURES AND BENEFITS

### 1 ELASTOMERIC DIAPHRAGM

For accurate control of outlet pressures up to 10bar (145psi).

### 2 EASY ACCESS TO SEAT CARTRIDGE

Simplified servicing through base of regulator.

### 3 FLANGE-TYPE BONNET

Quick and easy removal for maintenance.

Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues. Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.



DESIGNED AND BUILT IN THE UK

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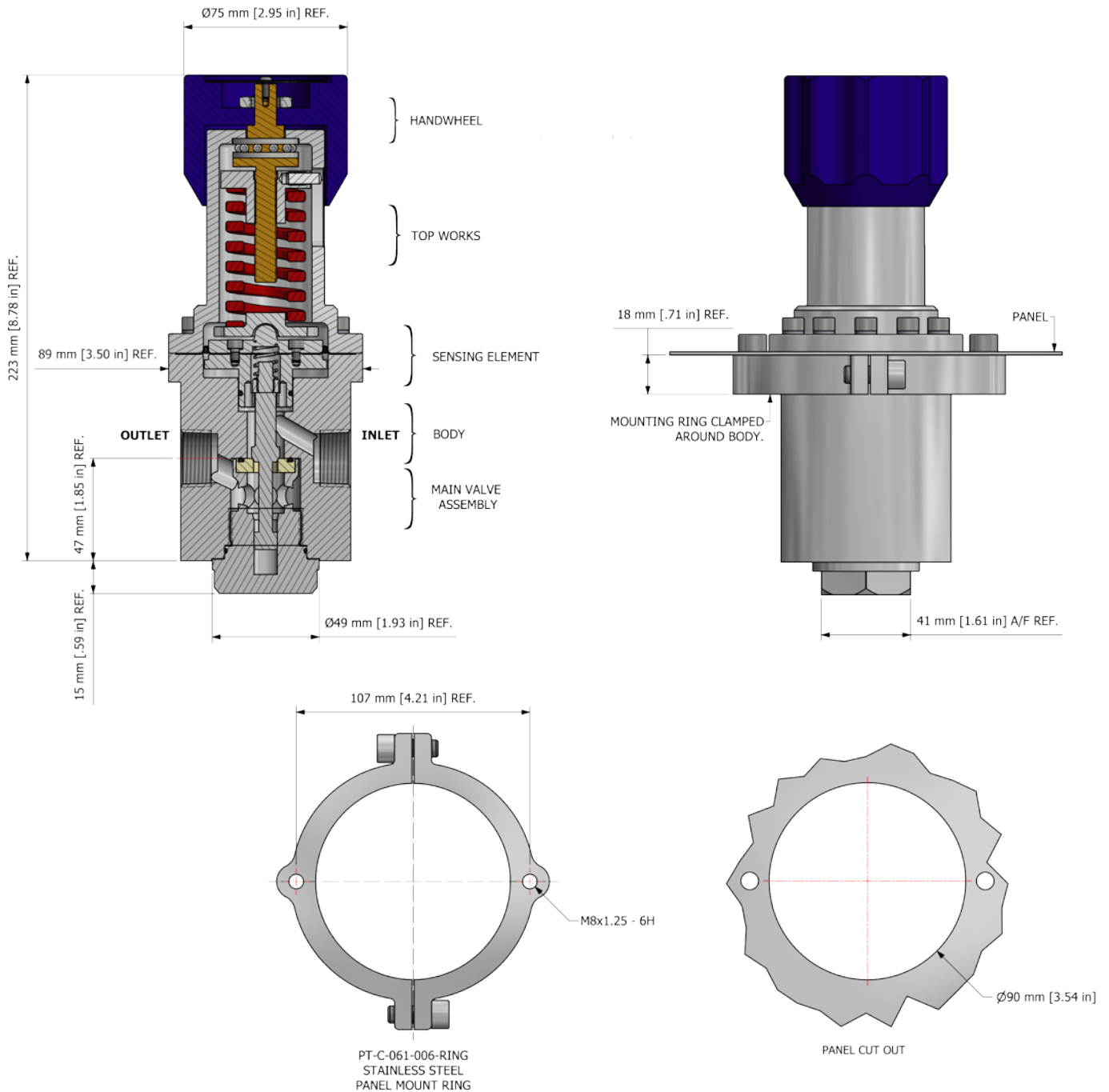
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 ● Diaphragm ● Piston | 
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## DRAWINGS AND INSTALLATION DIMENSIONS



**Note:**  
All gauge ports are 1/4" NPT as standard.

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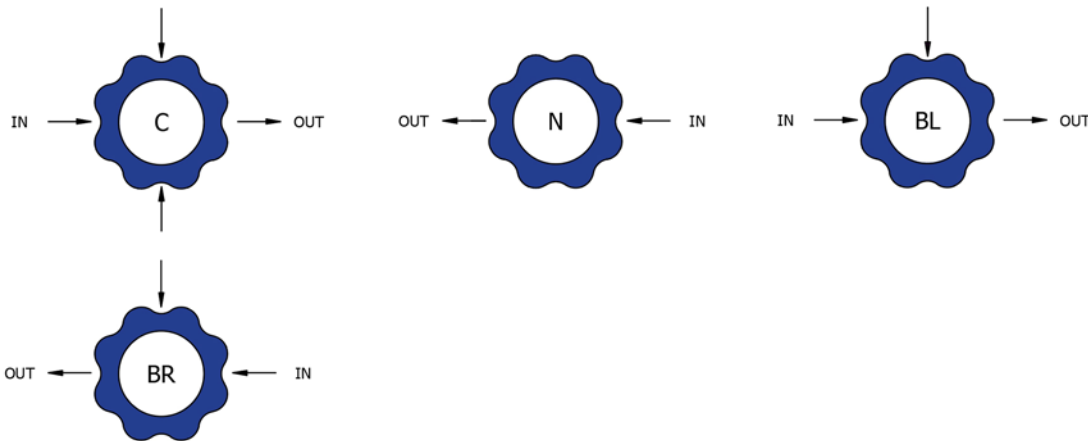


Gas  Liquid |  Diaphragm  Piston | Max Rating: 10bar (145psi) | Max Inlet Control: 10bar (145psi) | Cv 2.0

## FLOW CURVE

Please contact the office for further information.

## PORTING CONFIGURATIONS



*Note:*

Additional porting configurations are available - please contact the office for further information.

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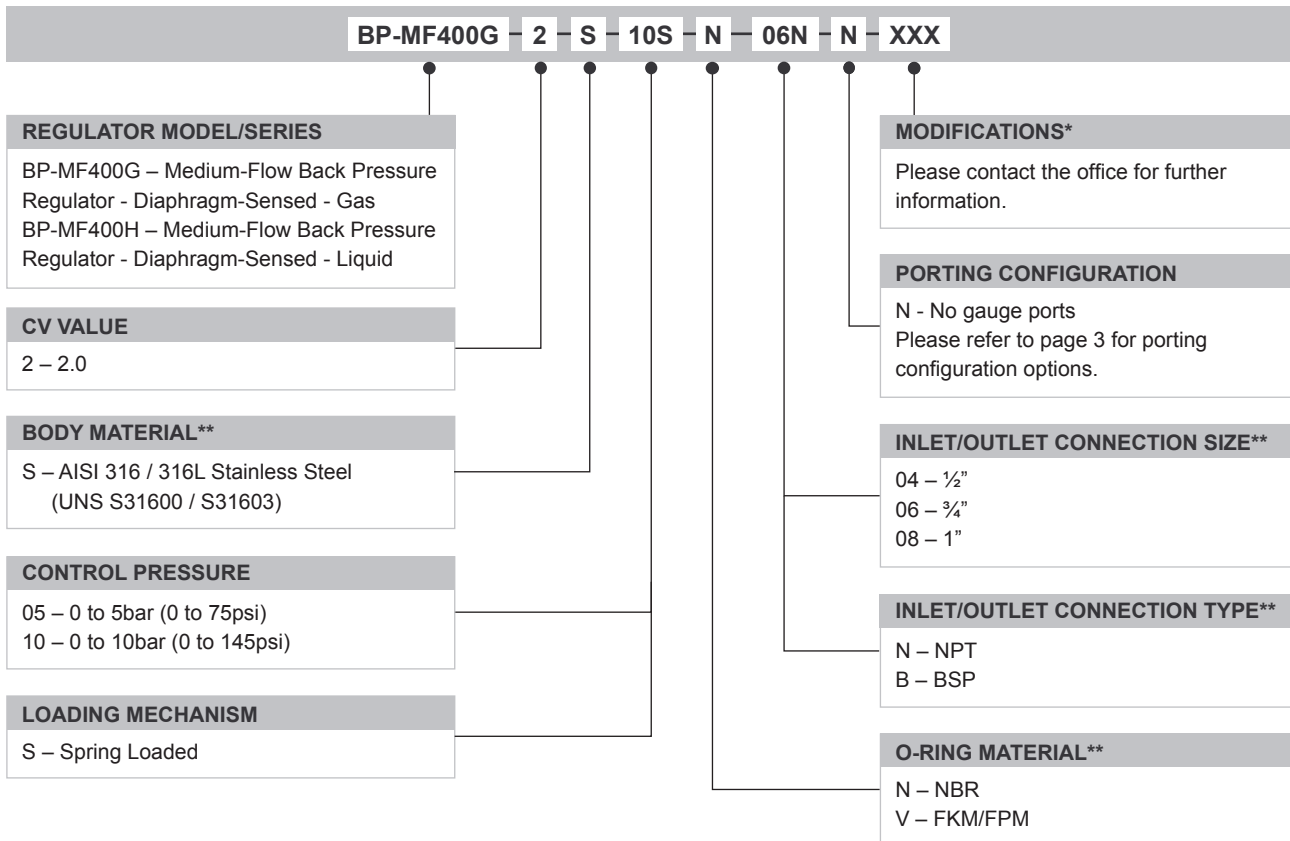
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## ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-BP-MF400...	Various options available
Panel Mounting Ring	PT-C-061-006-RING	Stainless Steel panel mount ring

*Note:*  
Ancillary equipment also available

TRADEMARK: PEEK™ is a trademark of Victrex PLC

\* Where applicable

\*\* Other materials/connections may be available - please contact the office

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